

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/009136

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K9/70 A61K45/06 A61K31/13 A61K31/428 A61K31/381
A61P25/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X | DE 37 10 966 A (DEGUSSA) 3 December 1987 (1987-12-03) column 2, lines 48-54; claim 1 column 5, lines 44-50 column 8, lines 19-25 ----- | 1,3,5, 13,16-19 |
| X | FR 2 788 982 A (SYNTHELABO) 4 August 2000 (2000-08-04) page 2, lines 29-34 page 6, line 36 - page 7, line 7; claims 1,2,4,9 ----- | 1,3,4, 13,16-19 |
| X | WO 89/09051 A (SANDOZ AG ; SANDOZ AG (DE); SANDOZ AG (CH)) 5 October 1989 (1989-10-05) page 5, line 3; claims 1,6 page 6, lines 17-22 ----- -/-- | 1-3,7,8, 13,16-19 |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *8* document member of the same patent family

Date of the actual completion of the international search

8 December 2004

Date of mailing of the international search report

22/12/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Allnutt, S

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|------------------------------|
| X | US 5 462 746 A (WOLTER KARIN ET AL) 31 October 1995 (1995-10-31) column 3, lines 47-50; claims 1,4 ----- | 1,3,5, 13-20 |
| X | US 2003/119884 A1 (EPSTEIN MEL H ET AL) 26 June 2003 (2003-06-26) paragraphs '0075!, '0076!, '0224!; claims 3,22,24,35 ----- | 1,6,13, 16-19 |
| Y | REIDERER P, LAUX G, PÖLDINGER W: "Neuro-Psychopharmaka, Bd 5" 1992, SPRINGER VERLAG, WIEN, XP009040582 cited in the application the whole document ----- | 1-20 |
| Y | MUCKE H A M: "ROTIGOTINE SCHWARZ PHARMA" IDRUGS, CURRENT DRUGS LTD, GB, vol. 6, no. 9, 2003, pages 894-899, XP001157133 ISSN: 1369-7056 siehe introduction ----- | 1,2, 7-10,13, 14,16-19 |
| Y | TUITE P ET AL: "RECENT DEVELOPMENTS IN THE PHARMACOLOGICAL TREATMENT OF PARKINSON'S DISEASE" EXPERT OPINION ON INVESTIGATIONAL DRUGS, ASHLEY PUBLICATIONS LTD., LONDON, GB, vol. 12, no. 8, 1 August 2003 (2003-08-01), pages 1335-1352, XP009023949 ISSN: 1354-3784 the whole document ----- | 1-20 |
| Y | ABRAMSKY O ET AL: "Combined treatment of Parkinsonian tremor with propranolol and levodopa." JOURNAL OF THE NEUROLOGICAL SCIENCES. DEC 1971, vol. 14, no. 4, December 1971 (1971-12), pages 491-494, XP001204127 ISSN: 0022-510X page 494 ----- | 12 |
| Y | CHARLES P D ET AL: "CLASSIFICATION OF TREMOR AND UPDATE ON TREATMENT" AMERICAN FAMILY PHYSICIAN, AMERICAN ACADEMY OF FAMILY PHYSICIANS, US, vol. 59, no. 6, 15 March 1999 (1999-03-15), pages 1565-1572, XP000852624 page 1569 ----- | 11,12 |
| | ----- -/-- | |

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| Y | WO 02/47666 A (SCHERING AG ; KUHN KARSTEN (DE)) 20 June 2002 (2002-06-20) page 9, lines 12-16; claims 2,3,13,14 ----- | 11 |
| P,X | IRAVANI MAHMOUD M ET AL: "3,4-Methylenedioxymethamphetamine (Ecstasy) inhibits dyskinesia expression and normalizes motor activity in 1-methyl-4-phenyl-1,2,3,6 tetrahydropyridine-treated primates." JOURNAL OF NEUROSCIENCE, vol. 23, no. 27, 8 October 2003 (2003-10-08), pages 9107-9115, XP002308002 ISSN: 0270-6474 abstract ----- | 1 |

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International application No.

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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: **18-20**
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 18-20 relate to a method for treatment of the human or animal body, the search was carried out on the basis of the alleged effects of the compound or composition.
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/009136

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|----|---------------------|----------------------------|---------------------|
| DE 3710966 | A | 03-12-1987 | DE 3710966 A1 | 03-12-1987 |
| | | | AT 55245 T | 15-08-1990 |
| | | | AU 598533 B2 | 28-06-1990 |
| | | | AU 7154187 A | 29-10-1987 |
| | | | CA 1298200 C | 31-03-1992 |
| | | | DD 259352 A5 | 24-08-1988 |
| | | | DE 3764144 D1 | 13-09-1990 |
| | | | DK 197787 A | 17-10-1987 |
| | | | EP 0241809 A1 | 21-10-1987 |
| | | | ES 2029805 T3 | 01-10-1992 |
| | | | FI 871668 A | 17-10-1987 |
| | | | GR 3000707 T3 | 10-10-1991 |
| | | | HU 43789 A2 | 28-12-1987 |
| | | | IE 60245 B1 | 15-06-1994 |
| | | | JP 62249923 A | 30-10-1987 |
| | | | NO 871581 A | 19-10-1987 |
| | | | PL 265152 A1 | 07-07-1988 |
| | | | PT 84684 A , B | 01-05-1987 |
| | | | US 4812481 A | 14-03-1989 |
| | | | ZA 8702690 A | 30-03-1988 |
| FR 2788982 | A | 04-08-2000 | FR 2788982 A1 | 04-08-2000 |
| | | | AU 2298800 A | 25-08-2000 |
| | | | CA 2361437 A1 | 10-08-2000 |
| | | | EP 1150715 A1 | 07-11-2001 |
| | | | WO 0045846 A1 | 10-08-2000 |
| | | | HU 0201279 A2 | 28-09-2002 |
| | | | JP 2002536342 T | 29-10-2002 |
| WO 8909051 | A | 05-10-1989 | AT 91076 T | 15-07-1993 |
| | | | AU 630088 B2 | 22-10-1992 |
| | | | AU 3290089 A | 16-10-1989 |
| | | | CA 1336071 C | 27-06-1995 |
| | | | DE 68907406 D1 | 05-08-1993 |
| | | | DE 68907406 T2 | 14-10-1993 |
| | | | DK 594789 A | 24-11-1989 |
| | | | WO 8909051 A1 | 05-10-1989 |
| | | | EP 0404807 A1 | 02-01-1991 |
| | | | ES 2013129 A6 | 16-04-1990 |
| | | | GR 89100190 A | 19-01-1990 |
| | | | HU 55220 A2 | 28-05-1991 |
| | | | IE 62955 B1 | 20-02-1995 |
| | | | IL 89748 A | 08-07-1993 |
| | | | JP 2533211 B2 | 11-09-1996 |
| | | | JP 2503677 T | 01-11-1990 |
| | | | KR 136870 B1 | 25-04-1998 |
| | | | NZ 228467 A | 23-12-1991 |
| | | | PT 90120 A , B | 10-11-1989 |
| | | | ZA 8902321 A | 28-12-1990 |
| US 5462746 | A | 31-10-1995 | NONE | |
| US 2003119884 | A1 | 26-06-2003 | US 2002115725 A1 | 22-08-2002 |
| | | | US 2003232890 A1 | 18-12-2003 |
| | | | AU 3946402 A | 27-05-2002 |
| | | | CA 2427388 A1 | 23-05-2002 |
| | | | EP 1420768 A2 | 26-05-2004 |
| | | | WO 0239998 A2 | 23-05-2002 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/009136

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|---|---------------------|----------------------------|---------------------|
| WO 0247666 | A | 20-06-2002 | DE 10064453 A1 | 04-07-2002 |
| | | | AU 8983701 A | 24-06-2002 |
| | | | WO 0247666 A1 | 20-06-2002 |
| | | | EP 1341530 A1 | 10-09-2003 |
| | | | US 2004219191 A1 | 04-11-2004 |
| <hr/> | | | | |